

WHAT IS CLAIMED IS:

1. A method for reproducing a video session,  
comprising:

- 5 storing a first video frame that includes first  
video data;  
storing a first video sub-frame comprising second  
video data that is different from the first video data;  
generating a second video frame using the first  
video frame and the first video sub-frame;  
10 storing a second video sub-frame comprising third  
video data that is different from the video data of the  
second video frame;  
generating a third video frame using the second  
video frame and the second video sub-frame; and  
15 displaying the first video frame.

2. The method of Claim 1, further comprising  
generating a predetermined number of video frames for  
storage in a queue prior to displaying the first video  
20 frame.

3. The method of Claim 1, further comprising:  
storing a fourth video frame that includes fourth  
video data;  
25 storing a third video sub-frame comprising fifth  
video data that is different from the fourth video data;  
generating a fifth video frame using the fourth  
video frame and the third video sub-frame; and  
displaying the fourth video frame.

4. The method of Claim 3, wherein each of the first video frame and the fourth video frame are generated using a corresponding key frame, each key frame is associated with a time interval, and each video sub-  
5 frame is associated with a time interval subsequent to the time interval of at least one key frame, the method further comprising:

receiving a command to initiate reproduction of the video session from a particular video sub-frame  
10 associated with a selected time interval;

determining a key frame associated with a time interval that is prior to the selected time interval;

generating a video frame using the determined key frame and the particular video sub-frame; and  
15 displaying the generated video frame.

5. The method of Claim 4, wherein:

the particular video sub-frame comprises the third video sub-frame; and  
20

the determined key frame comprises the fourth video frame.

6. The method of Claim 4, further comprising determining a video sub-frame associated with a time  
25 interval between the time interval of the determined key frame and the selected time interval, wherein the step of generating comprises generating the video frame using the determined key frame, the particular video sub-frame, and the determined video sub-frame.

7. The method of Claim 6, wherein:

the particular video sub-frame comprises the second  
video sub-frame;

the determined key frame comprises the first video  
5 frame; and

the determined video sub-frame comprises the first  
video sub-frame.

8. The method of Claim 4, wherein the time  
10 interval of the determined key frame is nearest to the  
selected time interval among the time intervals of key  
frames that are prior to the selected time interval.

9. The method of Claim 4, wherein the command  
15 comprises a fast-forward command.

10. The method of Claim 4, wherein the command  
comprises a rewind command.

20 11. The method of Claim 1, wherein the step of  
displaying is synchronized with the reproduction of a  
voice session associated with the video session.

12. A client for reproducing a video session,  
comprising:

5 a memory operable to store a first video frame that  
includes first video data, a first video sub-frame  
comprising second video data that is different from the  
first video data, and a second video sub-frame comprising  
third video data; and  
a processor coupled to the memory and operable to:  
10 generate a second video frame using the first  
video frame and the first video sub-frame, wherein  
the third video data is different from the video  
data of the second video frame;  
generate a third video frame using the second  
video frame and the second video sub-frame; and  
15 display the first video frame.

13. The client of Claim 12, wherein the memory is  
further operable to store a predetermined number of video  
frames in a queue and the processor is further operable  
20 to display a portion of the video frames stored in the  
queue.

14. The client of Claim 12, wherein:  
the memory is further operable to store a fourth  
25 video frame that includes fourth video data, and a third  
video sub-frame comprising fifth video data that is  
different from the fourth video data; and  
the processor is further operable to:  
generate a fifth video frame using the fourth  
30 video frame and the third video sub-frame; and  
display the fourth video frame.

15. The client of Claim 14, wherein each of the first video frame and the fourth video frame are generated using a corresponding key frame, each key frame is associated with a time interval, and each video sub-  
5 frame is associated with a time interval subsequent to the time interval of at least one key frame, the processor further operable to:

receive a command to initiate reproduction of the video session from a particular video sub-frame  
10 associated with a selected time interval;

determine a key frame associated with a time interval that is prior to the selected time interval;

generate a video frame using the determined key frame and the particular video sub-frame; and

15 display the generated video frame.

16. The client of Claim 15, wherein:

the particular video sub-frame comprises the third video sub-frame; and

20 the determined key frame comprises the fourth video frame.

17. The client of Claim 15, wherein the processor is further operable to:

25 determine a video sub-frame associated with a time interval between the time interval of the determined key frame and the selected time interval; and

generate the video frame using the determined key frame, the particular video sub-frame, and the determined  
30 video sub-frame.

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18. The client of Claim 17, wherein:  
the particular video sub-frame comprises the second video  
sub-frame;

the determined key frame comprises the first video  
5 frame; and

the determined video sub-frame comprises the first  
video sub-frame.

19. The client of Claim 15, wherein the time  
10 interval of the determined key frame is nearest to the  
selected time interval among the time intervals of key  
frames that are prior to the selected time interval.

20. The client of Claim 15, wherein the command  
15 comprises a fast-forward command.

21. The client of Claim 15, wherein the command  
comprises a rewind command.

22. The client of Claim 12, wherein the processor  
20 is further operable to synchronize the display of the  
first video frame with the reproduction of a voice  
session associated with the video session.